

Title (en)  
Positioning control device

Title (de)  
Positionierungssteuervorrichtung

Title (fr)  
Dispositif de commande de positionnement

Publication  
**EP 2930575 A2 20151014 (EN)**

Application  
**EP 15153715 A 20150203**

Priority  
JP 2014061119 A 20140325

Abstract (en)  
An object of the invention is to provide a positioning apparatus and a positioning control device (2) that may perform precise positioning by suppressing relative displacement of a movable point and positioning target objects. In a positioning apparatus including a movable stage (102), a stage position detector that detects a position of the movable stage, a control device (2) that performs positioning of the movable stage (102), a positioning target object for positioning of the movable stage, and at least one or more sensors in a structure of the positioning target object or the movable stage, the control device (2) includes an amount of relative displacement estimation unit (201) that estimates an amount of relative displacement of the movable stage (102) and the positioning target object using information of the sensor and information of the stage position detector, and a unit that controls the position of the stage using information calculated by the amount of relative displacement estimation unit.

IPC 8 full level  
**G05B 19/404** (2006.01)

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**G05B 2219/37612** (2013.01 - EP US); **G05B 2219/42249** (2013.01 - EP US); **G05B 2219/49176** (2013.01 - EP US);  
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Citation (applicant)  
JP 2009130355 A 20090611 - ASML NETHERLANDS BV

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Designated extension state (EPC)  
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